



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/073,251

02/13/2002

Ho-Hsin Liao

LIAO3040/EM

4424

23364

7590

08/20/2004

BACON & THOMAS, PLLC
625 SLATERS LANE
FOURTH FLOOR
ALEXANDRIA, VA 22314

EXAMINER

ABEL JALIL, NEVEEN

ART UNIT

PAPER NUMBER

2175

DATE MAILED: 08/20/2004

3

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/073,251

Applicant(s)

LIAO, HO-HSIN

Examiner

Neveen Abel-Jalil

Art Unit

2175

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.


SAM RIMELL
PRIMARY EXAMINER

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-19 are rejected under 35 U.S.C. 102(b) as being anticipated by Balogh et al. (U.S. Patent No. 5,493,677).

As to claims 1, 8, and 14, Balogh et al. discloses an electronic apparatus able to display a digital article and find unknown-word(s) in the digital article (See column 7, lines 5-25), the electronic apparatus comprising:

a display device (See column 4, lines 14-47);

a storage device (See column 7, lines 5-25); and

a processor connected to the storage device (See column 11, lines 53-67, also see column 3, lines 2-22); the storage device storing:

a program for controlling the processor (See column 4, lines 35-46); and a vocabulary database, wherein the vocabulary database is chosen from a known-vocabulary database, an unknown-vocabulary database, or a combined vocabulary database with a known-vocabulary database and an unknown-vocabulary database; and the processor operative with the program (See column 13, lines 43-67) to:

compare the digital article with a vocabulary database to find unknown word(s) of the digital article (See column 7, lines 42-63); and

Art Unit: 2175

mark found unknown word(s) so that a reader knows where unknown word(s) are in the digital article (See column 6, lines 16-55).

As to claims 2, 6, 13, and 19, Balogh et al. discloses wherein the step of marking found unknown word(s) is to add an underline under found unknown word(s) (See column 6, lines 6-55).

As to claims 3, 7, 9, 12, 15, and 18, Balogh et al. discloses further comprising an amending step to change a known word to an unknown word of the digital article and vice versa, wherein the amending step will further update the vocabulary database (See column 7, lines 26-67).

As to claims 4, 10, and 16, Balogh et al. discloses further comprising a combining step to display found unknown word(s) together as an unknown-vocabulary area (See column 8, lines 1-22, also see column 7, lines 1-25).

As to claims 5, 11, and 17, Balogh et al. discloses an electronic apparatus able to display a digital article and find unknown word(s) in the digital article (See column 7, lines 5-25), the electronic apparatus comprising:

a displaying device (See column 4, lines 14-47);

a storage device (See column 7, lines 5-25);

a processor connected to the storage device (See column 4, lines 35-46);

Art Unit: 2175

the storage device storing a program for controlling the processor, and a vocabulary database, wherein the vocabulary database is chosen from a known-vocabulary database, an unknown-vocabulary database, or a combined vocabulary database with a known-vocabulary database and an unknown-vocabulary database (See column 13, lines 43-67); and

the processor operative with the program to compare the digital article with a vocabulary database to find unknown word(s) in the digital article (See column 7, lines 42-63); and

display found unknown word(s) together on the displaying device (See column 8, lines 1-22, also see column 7, lines 1-25).

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Geist (U.S. Patent No. 5,392,212) teaches identifying unknown words by comparison to known words.

Ahmad et al. (U.S. Patent No. 6,172,675 B1) teaches indirect manipulation of data.


4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Neveen Abel-Jalil whose telephone number is 703-305-8114. The examiner can normally be reached on 8:30AM-5:30PM EST.

Art Unit: 2175

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on 703-305-3830. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Neveen Abel-Jalil
July 27, 2004



SAM RIMELL
PRIMARY EXAMINER